IN THE CLAIMS

1.   (Original) A method of calculating the frequency of appearance of a keyword, using a first database in which information about a base sequence or an amino acid sequence is stored and a second database in which document data is stored, said method comprising:

a first text data extraction step for extracting first text data from said first database based on a base sequence or an amino acid sequence inputted by a user;

an identifier extraction step for extracting an identifier identifying document data in said first text data from said first text data;

a second text data extraction step for extracting second text data from said second database based on said identifier; and

an appearance frequency calculation step for sequentially reading keywords from a keyword table containing keywords related to said first database, and for calculating the frequency of appearance of each of said keywords in said second text data.

2.   (Original) The keyword frequency calculating method according to claim 1, wherein said keyword table has a tree structure in which keywords are stored such that they are classified according to categories, and wherein said appearance frequency calculation step comprises a step for generating a frequency calculation result table of a tree structure, said table containing the frequency of appearance of a keyword and the frequency of appearance of an upper-level category to which the keyword belongs.

3.   (Original) The keyword frequency calculating method according to claim 1, wherein said first text data extraction step comprises a step for extracting first text data from said first database for each of a plurality of sequences entered by the user.

4. (Currently Amended) A program for causing a computer to carry out [[the]] a keyword frequency calculation method ~~according to any one of claims 1 to 3~~ characterized by calculating the frequency of appearance of a keyword, using a first database in which information about a base sequence or an amino acid sequence is stored and a second database in which document data is stored, said method comprising: a first text data extraction step for extracting first text data from said first database based on a base sequence or an amino acid sequence inputted by a user; an identifier extraction step for extracting an identifier identifying document data in said first text data from said first text data; a second text data extraction step for extracting second text data from said second database based on said identifier; and an appearance frequency calculation step for sequentially reading keywords from a keyword table containing keywords related to said first database, and for calculating the frequency of appearance of each of said keywords in said second text data.

5. (New) A program for causing a computer to carry out a keyword frequency calculation method according to claim 4 further characterized by said keyword table having a tree structure in which keywords are stored such that they are classified according to categories, and wherein said appearance frequency calculation step comprises a step for generating a frequency calculation result table of a tree structure, said table containing the frequency of appearance of a keyword and the frequency of appearance of an upper-level category to which the keyword belongs.

6. (New) A program for causing a computer to carry out a keyword frequency calculation method according to claim 4 further characterized by said first text data extraction step comprising a step for extracting first text data from said first database for each of a plurality of sequences entered by the user.

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